

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/566,954
Source: JFWP
Date Processed by STIC: 02/14/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/566,954

DATE: 02/14/2006

TIME: 12:48:12

Input Set : F:\seq_listing_11548_003_999.txt
 Output Set: N:\CRF4\02142006\J566954.raw

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3 <110> APPLICANT: Gustafsson, Claes
4   Govindarajin, Sridhar
5   Minshull, Jeremy Stephen
7 <120> TITLE OF INVENTION: Systems and Methods for Antibody
8   Engineering
10 <130> FILE REFERENCE: 11548-03-999
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/566,954
C--> 13 <141> CURRENT FILING DATE: 2006-01-31
13 <150> PRIOR APPLICATION NUMBER: PCT/US04/24751
14 <151> PRIOR FILING DATE: 2004-07-30
16 <150> PRIOR APPLICATION NUMBER: 60/536,862
17 <151> PRIOR FILING DATE: 2004-01-15
19 <150> PRIOR APPLICATION NUMBER: 60/536,357
20 <151> PRIOR FILING DATE: 2004-01-14
22 <150> PRIOR APPLICATION NUMBER: 60/491,815
23 <151> PRIOR FILING DATE: 2003-08-01
25 <160> NUMBER OF SEQ ID NOS: 3
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 20
31 <212> TYPE: PRT
32 <213> ORGANISM: E. Coli
34 <220> FEATURE:
35 <223> OTHER INFORMATION: E Coli Leader Peptide
38 <400> SEQUENCE: 1
39 Met Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
40   1           5           10          15
41 His Ser Thr Met
42           20
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 377
47 <212> TYPE: PRT
48 <213> ORGANISM: Tritirachium album Limber
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Tritirachium album Limber proteinase K
54 <400> SEQUENCE: 2
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57 Arg Gly Glu Met Val Ala Asn Lys Tyr Ile Val Lys Phe Lys Glu Gly
58           20          25          30
59 Ser Ala Leu Ser Ala Leu Asp Ala Ala Met Glu Lys Ile Ser Gly Lys
60           35          40          45
61 Pro Asp His Val Tyr Lys Asn Val Phe Ser Gly Phe Ala Ala Thr Leu

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62      50          55          60
63 Asp Glu Asn Met Val Arg Val Leu Arg Ala His Pro Asp Val Glu Tyr
64 65          70          75          80
65 Ile Glu Gln Asp Ala Val Val Thr Ile Asn Ala Ala Gln Thr Asn Ala
66          85          90          95
67 Pro Trp Gly Leu Ala Arg Ile Ser Ser Thr Ser Pro Gly Thr Ser Thr
68          100         105         110
69 Tyr Tyr Tyr Asp Glu Ser Ala Gly Gln Gly Ser Cys Val Tyr Val Ile
70          115         120         125
71 Asp Thr Gly Ile Glu Ala Ser His Pro Glu Phe Glu Gly Arg Ala Gln
72          130         135         140
73 Met Val Lys Thr Tyr Tyr Ser Ser Arg Asp Gly Asn Gly His Gly
74 145          150         155         160
75 Thr His Cys Ala Gly Thr Val Gly Ser Arg Thr Tyr Gly Val Ala Lys
76          165         170         175
77 Lys Thr Gln Leu Phe Gly Val Lys Val Leu Asp Asp Asn Gly Ser Gly
78          180         185         190
79 Gln Tyr Ser Thr Ile Ile Ala Gly Met Asp Phe Val Ala Ser Asp Lys
80          195         200         205
81 Asn Asn Arg Asn Cys Pro Lys Gly Val Val Ala Ser Leu Ser Leu Gly
82          210         215         220
83 Gly Gly Tyr Ser Ser Ser Val Asn Ser Ala Ala Arg Leu Gln Ser
84 225          230         235         240
85 Ser Gly Val Met Val Ala Val Ala Ala Gly Asn Asn Asn Ala Asp Ala
86          245         250         255
87 Arg Asn Tyr Ser Pro Ala Ser Glu Pro Ser Val Cys Thr Val Gly Ala
88          260         265         270
89 Ser Asp Arg Tyr Asp Arg Arg Ser Ser Phe Ser Asn Tyr Gly Ser Val
90          275         280         285
91 Leu Asp Ile Phe Gly Pro Gly Thr Ser Ile Leu Ser Thr Trp Ile Gly
92          290         295         300
93 Gly Ser Thr Arg Ser Ile Ser Gly Thr Ser Met Ala Thr Pro His Val
94 305          310         315         320
95 Ala Gly Leu Ala Ala Tyr Leu Met Thr Leu Gly Lys Thr Thr Ala Ala
96          325         330         335
97 Ser Ala Cys Arg Tyr Ile Ala Asp Thr Ala Asn Lys Gly Asp Leu Ser
98          340         345         350
99 Asn Ile Pro Phe Gly Thr Val Asn Leu Leu Ala Tyr Asn Asn Tyr Gln
100         355         360         365
101 Ala Val Asp His His His His His
102         370         375
105 <210> SEQ ID NO: 3
106 <211> LENGTH: 1193
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Artificial nucleic acid sequence encoding Tritirachium album
112     Limber proteinase K
115 <400> SEQUENCE: 3

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116 atgaaaaaac tgctgttcgc gattccgcgt gtgggccgt tctatagcca tagcaccatg 60
117 gcaccggccg ttgaacacgcg ttctgaagca gctcctctga ttgaggcacg tggtaaaatg 120
118 gtagcaaaca agtacatcgta gaagttcaag gagggttctg ctctgtctgc tctggatgct 180
119 gctatggaaa agatctctgg caagcctgtat cacgtctata agaacgtgtt cagcggtttc 240
120 gcagcaactc tggacgagaa catggtccgt gtactgcgtg ctcatccaga cggtgaatac 300
121 atcgaacagg acgctgttgt tactatcaac gcccacaga ctaacgcacc ttgggtctg 360
122 gcacgttattt cttctacttc cccgggtacg tctacttact actacgacga gtctgcccgt 420
123 caaggttctt gcgttacgt gatcgatacg ggcatacgagg cttctcatcc ttagttgaa 480
124 ggccgtgcac aaatggtaa gacctactac tactcttccc gtgacggtaa tggcacgggt 540
125 actcattgcg caggtactgt tggtagccgt acctacggtg ttgctaagaa aacgcaactg 600
126 ttccggcgtaa aagtgttgcgaa cgacaacgggt tctggtcagt actccacccat tatacgccgggt 660
127 atggatttcg tagcgagcga taaaaacaac cgcaactgccc cgaaagggtgt tgggtttct 720
128 ctgtctctgg tgggtgtta ctcccttttctt gttaacagcg cagctgcacg tctgcaatct 780
129 tccgggtgtca tggtcgcagt agcagctggta aacaataacg ctgatgcacg caactactct 840
130 cctgcttagcg agcctctgt ttgcaccgtg ggtgcatttg atcgttatga tcgtcgtagc 900
131 tccttcagca actatggttc cgtccctggat atcttcggcc ctggtaacttc tatcctgtct 960
132 acctggattt gcggttagcac tcgttccatt tccggtaacg gcatggctac tccacatgtt 1020
133 gctggcttgg cagcataacctt gatgaccctg ggtaagacca ctgctgcacg cgcttgcgt 1080
134 tacatcgccg atactgcgaa caaaggcgat ctgtctaaca tcccggttccg caccgttaat 1140
135 ctgctggcat acaacaacta tcaggctgtc gaccatcatc atcatcatca tag 1193

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/566,954

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Input Set : F:\seq_listing_11548_003_999.txt
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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date